

Press Release

To: Arkansas Media
From: Robert J. Alvey, Communications Manager
501-324-9006; fax: 501-324-9012
CC: Governor's Office
Date: November 13, 2000
Re: September meeting of the Authority Board of Directors

Board Approves Nearly \$250,000 in Funding for Basic & Applied Research Projects

The Arkansas Science & Technology Authority's Board of Directors recently invested \$222,642 in a total of 2 Applied and 3 Basic and Research projects at Arkansas-based universities. This was the first meeting of the Board for FY2000.

The projects funded were:

Applied Research

Commercialization of CPC for Use in the Poultry Industry, investigated by Dr. Amy L. Waldroup of the University of Arkansas, Fayetteville, in the amount not to exceed **\$75,005.00**. This project is cosponsored by Safe Foods, Inc. in the amount of \$37,447.00.

Data Acquisition System for High Speed Waterjet Propulsion System, investigated by Dr. Andrew B. Wright of the University of Arkansas at Little Rock, in the amount not to exceed **\$26,000.00**. This project is cosponsored by North American Marine Jet in the amount of \$13,000.00.

The Authority's Applied Research Grant Program (<http://www.state.ar.us/asta/applied.html>) is a (50:50) cash-matching effort to support applied research in science and engineering. (A match of \$2 from the state is available for every \$1 from an Arkansas business with 50 or fewer employees.) The goal of the Applied Research Grant Program is to stimulate the transfer of science and technology in Arkansas by enhancing opportunities for research partnerships between Arkansas colleges and universities and private industries.

Basic Research

New Inorganic Materials Synthesized in Supercritical Solvents, by Dr. Wally Cordes of the University of Arkansas, Fayetteville, in the amount not to exceed **\$50,000.00**.

Electrothermal Modeling of Mixed-Signal Circuits, by Dr. H. Alan Mantooth of the University of Arkansas, Fayetteville, in the amount not to exceed **\$29,637.00**.

Neuroendocrine Control of Microglial Nitric Oxide Production, by Dr. Jason Y. Chang of the University of Arkansas for Medical Sciences, in the amount not to exceed **\$42,000.00**.

The Authority's Basic Research Grant Program (<http://www.state.ar.us/asta/basic.html>) is a competitive, (60 percent state: 40 percent institution) matching grant effort to support basic research in science and engineering. The goals of the Basic Research Grant Program are to promote and support the growth and development of Arkansas scientists and to enhance the status of science and engineering in Arkansas colleges and universities.

Board Funds Arkansas Research Matching Fund Projects

The Board also provided funding for eight Arkansas Research Matching Fund efforts as well as the Space Grant Consortium at the University of Arkansas at Little Rock. The consortium will receive an amount not to exceed \$93,750. Matching Fund Projects receiving financial support were:

Molecular and Biological Engineering of Plant-derived Antibodies, by Dr. S. Michael Owens, of the University of Arkansas for Medical Sciences, in the amount not to exceed \$487,858. This project is funded federally by a National Science Foundation EPSCoR¹ Grant in the amount of \$487,858.

Arkansas EPSCoR Cooperative Agreement, by Dr. John H. Hehr, of the University of Arkansas, Fayetteville, in the amount not to exceed **\$1,000,000**. This project is funded federally by a National Science Foundation EPSCoR Cooperative Agreement in the amount of \$1,000,000.

IGERT Formal Proposal: A New Era in Electronics Education, by Dr. Leonard Schaper, of the University of Arkansas, Fayetteville, in the amount not to exceed **\$280,465**. This project is funded federally by a National Science Foundation IGERT award in the amount of \$1,260,531.

The Arkansas Plan for Enhancement of Aerospace Research and Economic Development, by Dr. M. Keith Hudson, of the University of Arkansas at Little Rock, in the amount not to exceed **\$168,724**. This project is funded federally by a National Aeronautics and Space Administration EPSCoR Grant in the amount of \$625,000.

Developing Competitive Environmental Research in Arkansas, by Dr. Richard H. Kennedy, of the University of Arkansas for Medical Sciences, in the amount not to

¹ Experimental Program to Stimulate Competitive Research

exceed **\$500,000**. This project is funded federally by an Environmental Protection Agency EPSCoR Grant in the amount of \$500,000.

Establishment of a Center for Advanced Sensing Technology, by Dr. Charles Wilkins, of the University of Arkansas, Fayetteville, in the amount not to exceed **\$499,993**. This project is funded federally by a National Science Foundation EPSCoR grant in the amount of \$499,993.

Development of an Optical Microscope to Investigate the Nonlinear Optical Properties of Single Quantum Dots and to Train Students, by Dr. Gregory Salamo and Dr. Min Xiao, of the University of Arkansas, Fayetteville, in the amount not to exceed **\$182,500**. This project is funded federally by a National Science Foundation grant in the amount of \$182,500

Science and Engineering Research Center (SERC) for Durable Miniaturized Systems, by Dr. Ajay Malshe, of the University of Arkansas, Fayetteville, in the amount not to exceed **\$254,043**. This project is funded federally by a National Science Foundation EPSCoR grant in the amount of \$749,302.

The Arkansas Science & Technology Authority, <http://www.state.ar.us/asta/>, serves as a statewide funding resource for high quality scientific and technological projects. The Authority endeavors to bring the benefits of science and technology to the people and state of Arkansas through scientific research, technology development, business innovation, and education.

Board Action (Research), Sept. 17, 99/Bdmtg/News/Communications Manager/e